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ENVIRONMENTAL ASSESSMENT

AD-A219 375

FOR

BANK PROTECTION AND CLOSING DAM CONSTRUCTION AT HURRICANE ISLAND MISSISSIPPI RIVER POOL 11



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JULY 1989

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DEPARTMENT OF THE ARMY ROCK ISLAND DISTRICT, CORPS OF ENGINEERS CLOCK TOWER BUILDING—P.O. BOX 2004 ROCK ISLAND, ILLINOIS 61204-2004

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ENVIRONMENTAL ASSESSMENT
FOR
BANK PROTECTION AND CLOSING DAM CONSTRUCTION
AT HURRICANE ISLAND
MISSISSIPPI RIVER POOL 11

ENVIRONMENTAL ASSESSMENT

FOR

BANK PROTECTION AND CLOSING DAM CONSTRUCTION AT HURRICANE ISLAND MISSISSIPPI RIVER POOL 11

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Finding of No Significant Impact (FONSI)
Pertinent Correspondence
Clean Water Act, Section 404(b)(1) Evaluation
Distribution List

Unannounced
Justification

By Ola Team SC

Distribution/

Availability Codes

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Accession Fac NTIS GRA&1 DTIC TAB

EA-1



ENVIRONMENTAL ASSESSMENT FOR

BANK PROTECTION AND CLOSING DAM CONSTRUCTION AT HURRICANE ISLAND MISSISSIPPI RIVER POOL 11

I. Project Purpose and Need.

The purpose of this environmental assessment is to address the effects of placing approximately 5,500 feet of riprap for bank protection and closing dam construction in Pool 11 of the Upper Mississippi River. Alternatives to the proposed action include the No Federal Action alternative, other locations/configurations, and repair of structures without additional riprap bank protection.

The project is expected to be beneficial to maintaining the navigation channel, with no significant impacts to natural, cultural, economic, or social resources. For these reasons, an Environmental Impact Statement (EIS) will not be prepared for this action. Because the proposed action is subject to the provisions of the Clean Water Act, a Section 404(b)(1) Evaluation has been prepared for the project (attached). Section 401 compliance has been discussed with the Wisconsin Department of Natural Resources in a letter dated May 1, 1989. A joint Public Notice has been prepared and is being distributed concurrently with this document. Copies of correspondence relative to this action are included in the attached Pertinent Correspondence.

II. Project Description.

The proposed work addressed in this document involves placing new bank protection and relocating a closing dam in conjunction with maintenance and repair of existing training works (wing dams) in Mississippi River Pool 11, Grant County, Wisconsin (see plates 1 through 3).

The site of proposed riprap placement is located adjacent to the main channel of the Mississippi River at approximate river miles 598.8 to 599.2 (see plate 1). The project site is more commonly knowns. Burricane Island and Hurricane Chute. Various Federal and State agencies have requested bank protection in order to reduce erosion on the upstream tip of Aurricane Island. In addition to armoring the island tip, bank protection will be extended down the west side of the island in conjunction with wing dam repairs. The project also involves bank protection of the opposite shoreline of Hurricane Chute extending downstream about 1,100 feet from the root of wing dam No. 12.

An existing closing dam in severe disrepair is near the upstream end of Hurricane Chute. Due to bank erosion, the closing dam roots (bank tie-ins) have been lost. The closing dam has undergone engineering evaluation, and it

has been determined that repair of the structure to its original specifications is not possible without substantially increasing the amount of rock for construction of bank tie-ins or reconstructing the former banks. The location of the closing dam will be moved slightly upstream to take advantage of the proposed bank protection mentioned above.

- III. <u>Alternatives</u>. Alternatives to the proposed action include the following:
- A. <u>No Federal Action</u>. This alternative was not selected due to authorized responsibility to maintain training works as part of the Nine-Foot Channel Project.
- B. <u>Construction in Other Locations or Configurations</u>. This alternative was not selected based on the need to maintain hydraulic conditions associated with the existing training works configuration and the need to tie in the Hurricane Chute closing dam to upstream bank protection.
- C. Repair of Existing Structures Without Additional Bank Protection. This alternative was not selected due to the need for bank protection as evidenced by existing erosion at the project location, the consequent loss of hydraulic function of the closing dam, and potential loss of hydraulic function of other training works at the project location.

IV. Affected Environment.

Hurricane Island is a popular local recreation site for boaters. Previously used dredged material placement sites, located along the riverward side of the island, are used for camping, picnicking, and fishing. High flow events in this section of the river have eroded the dredged material placement sites as well as other natural bankline areas. Recreational boaters have written to the Corps of Engineers requesting dredged material placement on Hurricane Island to restore recreational values.

Vegetation on the island is primarily floodplain forest comprised of species such as silver maple (<u>Acer saccharinum</u>), cottonwood (<u>Populus deltoides</u>), willow (<u>Salix sp.</u>), box elder (<u>Acer negundo</u>), and mulberry (<u>Morus sp.</u>).

Wildlife species typically using the area include small mammals. The combination of wooded island and adjacent slough provides habitat for reptiles and amphibians. The mature forest also provides habitat for the northern flicker and other woodpecker species, as well as nesting cavities for owls. The bald eagle is a winter resident and uses large trees on the shoreline of the island as perches. Other birds using shoreline perches include the belted kingfisher and turkey vulture. Wading birds such as great blue herons utilize the slough as a feeding station.

V. <u>Environmental Effects</u>. (Effects of the proposed action on natural and cultural resources are summarized in table EA-1.)

The long-term effect of the project is expected to be beneficial to man-made
resources in the area with no significant adverse effect on natural resources.

Wildlife species which may currently use the project area will not be significantly affected by the action. The placement of riprap below the normal water level and extension of bank protection at the root of each wing dam is expected to benefit aquatic resources by increasing substrate diversity and reducing bank caving.

Rock bank protection is not expected to affect terrestrial species currently using the project area.

Closing dam construction is anticipated to significantly reduce the sediment bedload (primarily sand) entering Hurricane Chute and McCartney Lake. This should have an overall beneficial effect on the aquatic system in the area, with no effect to terrestrial organisms.

There were two federally listed threatened and endangered species considered for this project: the bald eagle (<u>Haliaeetus leucocephalus</u>), the Higgins' eye pearly mussel (<u>Lampsilis higginsi</u>), and the fat pocketbook pearly mussel (<u>Potamilis capax</u>).

An eagle nest is located nearby, but is unlikely to be affected by project activities due to project timing. Bald eagles use large trees along the shoreline throughout the area as resting and feeding perches. Over the long term, bank stabilization should serve to prevent the loss of shoreline trees. No such trees would need to be removed for construction of the proposed project. Project construction will take place during early August. Because eagle fledging activity is likely to occur prior to early July, no significant impacts to the bald eagle population are anticipated to result from project activities near the nest area.

Because the substrate through this area is somewhat unstable, as evidenced by the erosional activity, it is unlikely that the area supports any significant mussel fauna including either endangered mussel species. The only report of either species in the area exists from an account of a collection from the Iowa shore containing \underline{P} . \underline{capax} . The proposed project is not expected to affect the Higgins' eye or the fat pocketbook pearly mussels.

Minor, temporary impacts to <u>noise levels</u> and <u>air quality</u> due to construction activity may occur as a result of construction and transportation of materials. This may have temporary, adverse effects on users of nearby recreational sites. No long-term significant impacts are anticipated, and no air quality standards should be violated.

TABLE EA-1

Effects of the Proposed Action on Natural and Cultural Resources

Types of Resources	<u>Authorities</u>	Measurement of Effects
Air quality	Clean Air Act, as amended (42 U.S.C. 1657h-7, et seq.)	No significant effect
Areas of particular concern within the coastal zone	Coastal Zone Management Act of 1972, as amended (16 U.S.C. 1451, et seq.)	Not present in planning area
Endangered and threatened species critical habitat	Endangered Species Act of 1973, as amended (16 U.S.C. 1531, et seq.)	No significant impacts anticipated
Fish and wildlife	Fish and Wildlife Coordination Act (16 U.S.C. 661, et seq.)	No significant effect
Floodplains	Executive Order 11988, Flood Plain Management	No significant effect
Historic and cultural properties	National Historic Preservation Act of 1966, as amended (16 U.S.C. 470, et seq.)	SHPO coordination initiated
Prime and unique farmland	CEQ Memorandum of August 1, 1980; Analysis of Impacts on Prime or Unique Agricultural Lands in Implementing the National Environ- mental Policy Act	No significant effect
Water quality	Clean Water Act of 1977, as amended (33 U.S.C. 1251, et seq.)	No significant effect
Wetlands	Executive Order 11990, Protection of Wetlands, Clean Water Act of 1977, as amended (43 U.S.C. 1857h-7, et seq.)	Present in plan- ning area; ef- fect anticipated to be negligible
Wild and scenic rivers	Wild and Scenic Rivers Act, as amended (16 U.S.C. 1271, et seq.)	Not present in planning area

Minor, temporary increases in turbidity and levels of suspended sediments would occur during construction activity. No long-term adverse effects to water quality are anticipated. A Section 404(b)(1) Evaluation has been prepared and is attached to this document. Section 401 certification has been requested from the State of Wisconsin and will be obtained prior to construction.

An archeological sample survey with historic documents review for Navigation Pool 11 conducted for the Rock Island District by Great Lakes Archeological Research Center in 1985 failed to identify any previously located archeological sites or historically sensitive locations in the vicinity of the project area. Because no ground modification is proposed, the project will have no effect on any significant historic property. Comments from the Wisconsin State Historic Preservation Officer are solicited by receipt of this document.

Construction of bank protection and the closing dam is expected to have little effect on <u>sesthetic values</u>. No <u>displacement of people or farms</u> will occur, and no change in <u>community cohesion</u> is anticipated. No significant impacts to <u>community and regional growth</u>, <u>property values and tax revenues</u>, or <u>employment and labor force</u> are expected to result from this action. <u>Business and industrial development</u> may be considered to benefit from maintenance of the navigation channel and training works in this section of the river. No significant impacts to <u>life</u>, <u>health</u>, <u>and safety</u> are anticipated. The completed project is likely to slightly increase fishing activity, and future use of the riverward portion of Hurricane Island for dredged sand disposal will attract recreational boaters. Therefore, the project is expected to slightly benefit <u>public recreational facilities and services</u>.

Considered in conjunction with future proposed work in the project area, <u>cumulative effects</u> of the project include bank stabilization, reduced dredging, and slight recreational enhancement.

With no Federal action, no adverse effects would occur from construction, bank caving and sediment input would continue, and no long-term benefits to recreation would be expected. Alternative locations for bank protection and closing dam construction would be anticipated to have impacts similar to the preferred alternative, but would not serve the immediate need for training works maintenance and bank protection.

VI. Relationship to Environmental Requirements.

The project will comply with Federal environmental laws, Executive orders and policies, and State and local policies including the <u>Clean Air Act</u>, as amended; the <u>Clean Water Act</u>, as amended; the <u>Endangered Species Act of 1973</u>, as amended; the <u>Federal Water Project Recreation Act</u>; the <u>Fish and Wildlife Coordination Act of 1958</u>, as amended; the <u>Land and Water Conservation Fund Act of 1966</u>, as amended; the <u>National Environmental Policy Act of 1969</u>, as amended; and the <u>National Historic Preservation Act of 1966</u>, as amended.

The project is located on federally owned land and will not result in the conversion of farmland or existing land use plans. This segment of the Upper Mississippi River is not a federally recognized wild or scenic river. The project will not result in any significant change in floodplain storage, and no significant loss of wetlands will occur from project implementation. Therefore, this action will not conflict with the provisions of the <u>Farmland Protection Policy Act of 1981</u>; <u>Executive Order 11988</u>, Floodplain Management; <u>Executive Order 11990</u>, Protection of Wetlands; or the <u>Wild and Scenic Rivers Act of 1968</u>.

VII. Coordination.

Coordination has been maintained throughout the planning and design process with the U.S. Fish and Wildlife Service (USFWS) and the Wisconsin Department of Natural Resources. Copies of coordination letters are contained in the Pertinent Correspondence.

Coordination with the U.S. Environmental Protection Agency and the State Historic Preservation Officer (SHPO) is being pursued through distribution of this Environmental Assessment and solicitation of comments.

Wing and closing dam repair work, bank stabilization, and improvement of navigation training works are coordinated through an interagency team referred to as the Committee to Assess Regulatory Structures (CARS). CARS consists of interdisciplinary personnel from the Corps of Engineers and the USFWS. The USFWS ensures that appropriate State natural resources staff are involved in the planning process. CARS activities also are discussed in other forums such as the Fish and Wildlife Interagency Committee (FWIC) and the River Resources Coordinating Team (RRCT). The FWIC has provided recommendations to the Corps for bank stabilization projects throughout Pool 11, including this area.

FINDING OF NO SIGNIFICANT IMPACT

BANK PROTECTION AND CLOSING DAM CONSTRUCTION FOR HURRICANE ISLAND AND HURRICANE CHUTE

I have reviewed the information provided by this Environmental Assessment, along with data obtained from cooperating Federal, State, and local agencies and from the interested public. Based on this review, I find that construction of the proposed bank protection and closing dam will not significantly affect the quality of the environment. Therefore, it is my determination that an Environmental Impact Statement is not required. This determination will be reevaluated if warranted by later developments.

Alternatives considered along with the preferred action were:

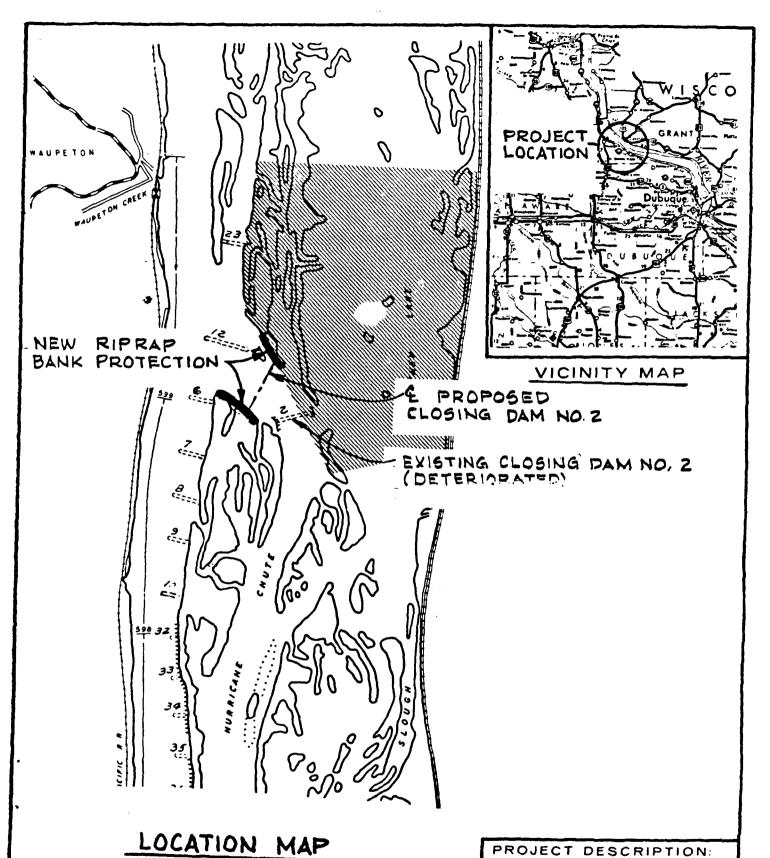
- No Federal Action.
- Closing dam construction at original location.
- Repair of wing dams with no bank protection.

Factors considered in making a determination that an Environmental Impact Statement was not required are as follows:

- a. The action is expected to reduce the need for channel maintenance dredging and disposal activities in this section of the river.
- b. Initial loss of and disturbance to aquatic habitat during construction will be offset by increased habitat diversity following project completion.
- c. No significant social, economic, environmental, or cultural impacts are anticipated as a result of this action.

Neil	Α.	Smart	
Color	nel,	U.S.	Army
Dist	rict	Engi	neer

Date

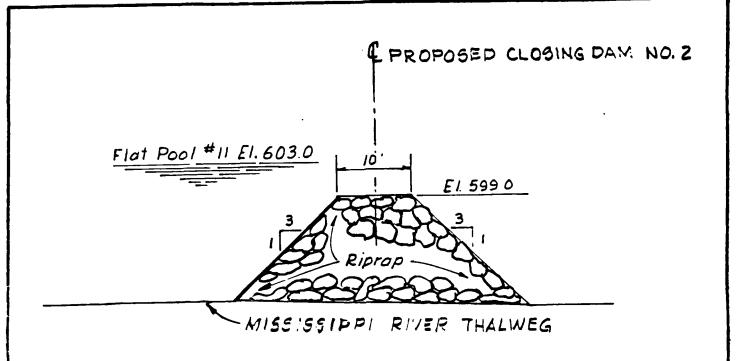


PROJECT DESCRIPTION:
NEW BANK PROTECTION
AND
PROPOSED CLOSING DAM
LOCATION:
MISSISSIPPI RIVER
POOL II
RIVER MILE 599.0

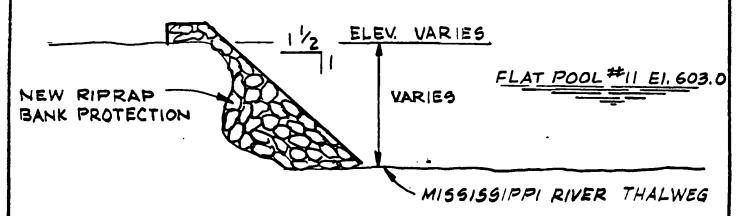
NEW RIPRAP BANK PROTECTION AND PROPOSED NEW CLOSING DAM. FOR TYPICAL SECTIONS SEE SHEET 3 HURRICANE 12001+ PLAN PROJECT DESCRIPTION: NEW BANK PROTECTION AND PROPOSED CLOSING DAM LOCATION: MISSISSIPPI RIVER

PLATE 2

POOL II RIVER MILE 599.0



SECTION THRU PROPOSED CLOSING DAM NO. 2



SECTION THRU NEW BANK PROTECTION

TYPICAL SECTIONS

PROJECT DATA

LENGTH OF BANK PROTECTION 2,300 TONS OF RIPRAP 18,000 TONS LENGTH OF PROPOSED CLOSING DAM 1,000 TONS TONS OF RIPRAP 12,000 TONS

PROJECT DESCRIPTION:
NEW BANK PROTECTION
AND
PROPOSED CLOSING DAM
LOCATION:
MISSISSIPPI RIVER
POOL II

RIVER MILE 599.0

PERTINENT CORRESPONDENCE



State of Wisconsin

DEPARTMENT OF NATURAL RESOURCES

State Office Building - Room 104 3550 Mormon Coulee Road La Crosse, Wisconsin 54601 Telephone: (608)785-9010

Carroll D. Besedny Secretary

May 1, 1989

3560-9

Mr. Bob Clevenstine
Rock Island District
U.S. Army Corps of Engineer
Clock Tower Building
P.O. Box 2004
Rock Island, IL 61204-2004
ATTN: Planning Division

Dear Mr. Clevenstine:

SUBJECT: Application for a Permit to Place a Structure on Bed of the

Mississippi River at Hurricane Island

I have received your inquiry regarding the rock riprap you wish to place on the bed of the Mississippi River. Wisconsin Statutes 30.12 states that a permit from this Department must be obtained prior to the placement of any materials upon the bed of any navigable waterway.

An application for a structure permit is enclosed. Fully complete both sides of each application form. Include the following items in your drawings:

- 1. A detailed location description of your proposed project.
- 2. A close-up plan view of the project showing the ordinary high water level and the existing shoreline, the structure dimensions (length, width) and the types of materials to be used.
- 3. A cross-section diagram showing the slopes of the stream/lake bed and the upland, the ordinary high water level, the structure dimensions (thickness, length) and the depth of the water at the end of the structure.

Include a copy of your deed, lease, property tax statement or other document indicating your riparian status.

Contact your county zoning administrator or municipal zoning official to determine if any local ordinances apply to your project.

The U. S. Army Corps of Engineers may have federal jurisdiction over your project. Please contact the Corps at the following address to determine if a permit is required.

Ms. Mary Marx U. S. Army Corps of Engineers Post Office Building, Room 219 425 State Street La Crosse, Wisconsin 54601

When all the required information is received in this office, we will begin our determination as to whether or not a permit shall be granted. If you have any questions, please give me a call at (608)785-9010.

Sincerely,

David M. Pericak

Water Management Specialist

DMP:ph

Enc.

cc: Pam Thiel



United States Department of the Interior



FISH AND WILDLIFE SERVICE

UPPER MISSISSIPPI RIVER NATIONAL WILDLIFE AND FISH REFUGE

P.O. Box 460, McGregor, Iowa 52157 (319) 873-3423

June 22, 1989

Robert Clevenstine Environmental Analysis Branch U.S. Army Corps of Engineers Clock Tower Bldg., P.O. Box 2004, Rock Island, Illinois 61204-2004

Dear Bob,

I have reviewed the Hurricane Island Bank Protection brief and site drawings that you provided. We have no objection to the proposed bank protection on the head of Hurricane Island and along the base of Wing Dam No. 12.

My apologies for the tardiness in responding.

John R. Lyons ' District Manager

JRL: dp

PROOF OF PUBLICATION

STATE OF WISCONSIN, SS. COUNTY OF GRANT SS.	duly sworn, deposes and says that he is the Owner and	managing editor of The Boscobel Dial, a weekly news-	paper, printed and published in the Clty of Boscobel, in Grant	County, and that the notice—of which the annexed is a printed	copy taken from the paper in which it was published-was	inserted and published in said paper one (1) week, the date	of the publication being the 22nd day of June A.D.,	19.89.
--	---	--	--	---	---	---	---	--------

Subscribed and sworn to before me, this ... AHT... day of day of sig a Lothanil Notary Public for Grant County, Obegol D & Chairer insertions. A.D., 19.89 Frinting Fees: folios, Certificate Received payment of Total

NOTICE OF A PROPOSED DNR PERMIT

NUMBER 3-WC-89-2757

the closure dam. The proposed project would be located in the SE1/4 of Section 5, T2N, R4W, Town of The Corps of Engineers, Rock Island District, Clock Resources for a permit to place approximately line on both sides of the entrance of Hurricane pool water elevation of 603.00 feet. Approximately 18,000 tons of rock riprap along 2,300 feet of shore-Chute. The Corps also plans to construct a closure dam at the same location. The closure dam will be about 1,000 feet long with the top of the structure at elevation 599.00 feet, which is 4 feet below the flat 12,000 tons of rock riprap will be used to construct 61204-2004, has applied to the Department of Natural Tower Building, P.O. Box 2004, Rock Island, Waterloo, Grant County (River Mile 599.0). if you want to know more about this project, you should lection by the expiration of this notice which is 30 days contact Edward J. Bourget at the DNR's Western District office, telephone (715) 839-3730, and ask to see the application and plans or have a copy of the application sent write to the Western District office, explaining your objections. Your letter should ask for a public hearing and state that you or your representative will testify at the uled if the Western District office receives a written obfrom the publishing date. Notice of the time and place of the hearing will be provided as required by state law. Unless timely objections are received, the Department may to you. If you do not feel the permit should be granted, hearing. A contested case public hearing will be schedissue its decision without a hearing.

The Department has made an Initial decision to grant water quality certification that the project will meet state water quality laws. If a state permit is granted this decision will become final.

Dated at Eau Claire, Wisconsin, June 19, 1989

STATE OF WISCONSIN DEPARTMENT OF NATURAL RESOURCES For the Secretary By Edward J. Bourget District Water Management Supervisor (Published Thursday, June 22, 1989) CLEAN WATER ACT SECTION 404(b)(1) EVALUATION

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Section 404 (b) (1) Evaluation (40 CFR 230)

US Army Corps of Engineers Rock Island District		Section 9 Township T2N RAW Water City NONE County GRANT State Activity BANK PROTECTION AND CLOSING CONSTRUCTION AT HURRICANE	Policent USAED, Pock Isla		
١.	Review of Compliance (\$230.1	O[•]-[d])	PRELIMINARY 1/	F1NAL 2/	
	A review of the permit appli	cation indicates that:			
	if in a opecial aquatic access or proximity to,	the least environmentally damaging practicable alternati site, the activity associated with the discharge must hav or be located in, the equatic ecosystem to fulfill its ba- ion 2 and information gathered for EA alternative);	e direct	• YES NO	
	or effluent atandards pr of Federally listed enda requirements of any Fede	pear to (1) violate applicable state water quality stands obibited under Section 307 of GAA, (2) Jeopardise the axi- ngered or threatened species or their habitat; and (3) vi- rally designated marine sanctuary (if so-wee Section 2b- ource and water quality certifying agencies);	atence olate		
	of the United States inc organisms dependent on a	use or contribute to significant degradation of matera luding adverse effects on human health, life stages of quatic ecosystem, ecosystem diversity, productivity and nal, aesthetic, and economic values (if no, see Section 2); YES 🔀 MO	- TES &C	
		ble steps have been taken to minimize potential adverse & aquatic ecosystem (if mo, see Section 5)-	AEP X IN	× 12. □ × □	
2.	Technical Evaluation Factors	(Subports C-F)			
	i. Substrate impacts 2. Suspended particulat 3. Mater tolumn impacts 4. Alteration of curren 5. Alteration of mormal	eracteristics of the Aquatic Ecosystem (Subport C) es/turbidity impacts t patterns and water circulation water fluctuations/hydroperiod ty gradients		Significant Significant*	
	 Effect on threatened Effect on the aquati 	cs of the Aquatic Ecosystem (Subpart D) /endangered species and their habitat c food web	1		
	2. betlands	ubpart E) ges		X X	
	2. Recreational and com 3. Effects on unter-rel 4. Aesthetic (apacts 5. Effects on parks, no	s (Subrert F) and private water supplies mercial fisheries impacts sted fecreation tions! and historical monuments, metional seashores, wild a, and similar preserves	erness	X I	
	BDWRS: Where a check	is placed under the significant category, preparer add ex	planation on attached she	et.	
3.	Evaluation of Dredged or Fil	1 Material (Subpart C) 3/			
		n has been considered in evaluating the biological evails	bility of gossible contact	inants in dredged or fill	
	 Mydrography in relat Results from previou Enoum, significant s Spill records for pe father public records Enoum existence of s Environment by man-i 	tice	nity of the project	sther sources	
		ces (ore attached sheet).			
	met a carrier of contact:	ropriate information in 3a above indicates that there is nants, or that levels of contaminants are substantively s the disposal site. The material meets the testing saclu	ituilar at extraction and	sposed dredged or fill material is disposal sites and not likely to	

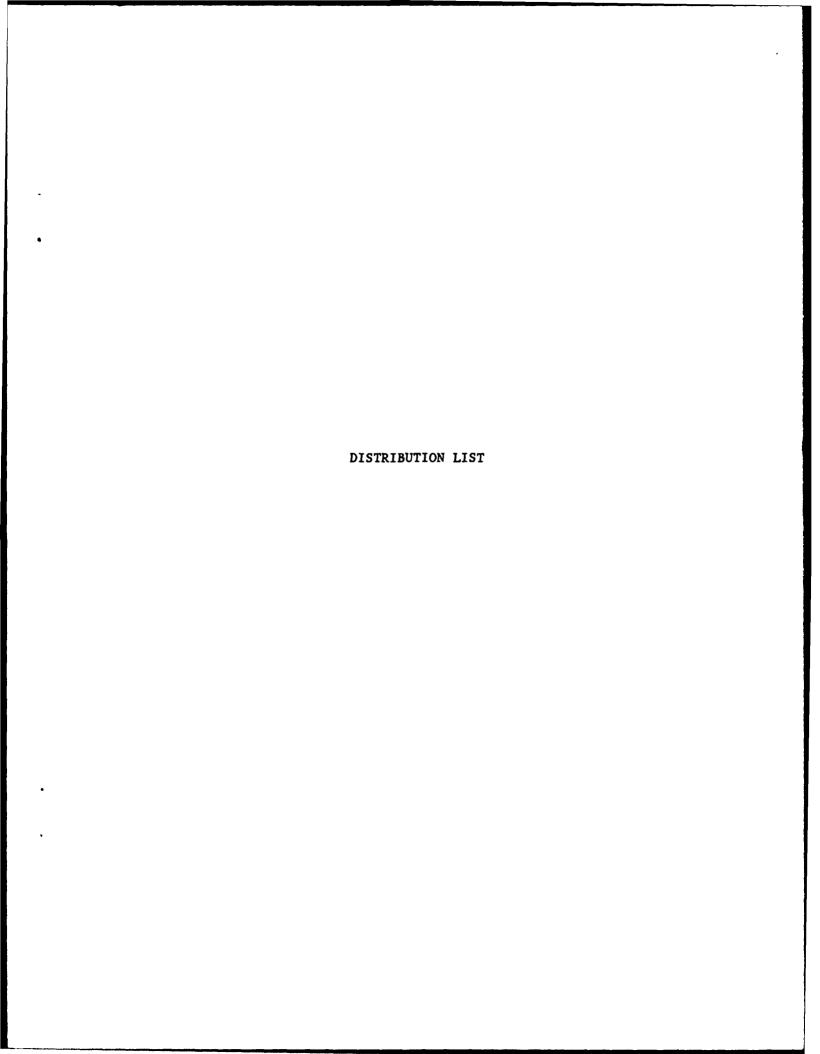
YES 🙀 10 🗀 .

4.	D16P	posal Site Delineation (\$230.11[f])	
		The following factors, as appropriate, have been considered in evaluating the disposal site. 1. Depth of water at disposal site	
		List appropriate references (see attached sheet)	
	٠.	An evaluation of the appropriate factors in 4s above indicates that the disposal site and/or size of mixing zone are acceptable	∞ □ ·
5.	Acti	lone to Minimize Adverse Effects (Subport H)	
	All to e	appropriate and practicable steps have been taken through application of recommendations of \$230.70-230.77 ensure minimal adverse effects of the proposed discharge. List Actions Taken (see attached sheet)	∞ □•
<u>B.B.</u>	Ret	turn to Section 1 for final stage of compliance review. See also note 3/	
6.	Fact	tual Determinations (\$230.11)	
		rview of the appropriate information as identified in items 2-5 above indicates that there is minimal ential for short-term or long-term environmental effects of the proposed discharge as related to:	
	b. c. d. t.	Physical substrate at the disposal site (review sections 2a, 3, 4, and 5)	80
7.		lustion Responsibility	
		This evaluation was prepared by: R. A. CLEVENSTINE BIOLOGIST Position: Biologist	
	١.	This evaluation was reviewed by: MICHAEL A. COCKERILL Date:	
		Position: CHIEF, ENVIRONMENTAL ANALYSIS BRANCH	
٥.	Find	finge	
	b. c.	The proposed disposal site for discharge of dredged or fill material complies with the Section 404(b)(l) guidelines	· □ : □
		\$1GNATURE Date:	
		Neil A. Smart, Colonel	
• 4	erat f	U.S. Army District Engineer (1.5) army district engineer (1.6) (1) (1.5) army document, or unknown response indicates that the permit application may not be in compliance with the Section 404(b)(1)	Guidelines
1/ Eh1	Nega "sho	ative responses to three or more of the compliance criteris at this stage indicate that the proposed projects may not be evaluated from procedure." Care should be used in assessing pertinent portions of the technical information of items 2 s-d below, but final review of compliance.	ed using

2/ If the dredged or fill material cannot be excluded from individual testing, the "short-form" evaluation process is imappropriate.

process is inappropriate.

2/ Negative response to one of the compliance criteria at this stage indicates that the proposed project does not comply with the guidelines. If the economics of navigation and anchorage of Section 404(b)(2) are to be evaluated in the decision-making process, the "short-form" evaluation



DISTRIBUTION LIST FOR

ENVIRONMENTAL ASSESSMENT FOR

BANK PROTECTION AND CLOSING DAM CONSTRUCTION AT HURRICANE ISLAND

MISSISSIPPI RIVER POOL 11

DISTRIBUTION -- EXTERNAL

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HONORABLE FERBERT KOHL, UNITED STATES SENATOR 708 HART OFFICE BLDG, WASHINGTON DC 20510

HONCRABLE RUBERT W. KASTEN. JR., UNITED STATES SENATOR 4601 HAMMERSLEY ROAD, MADISON WI 53711

HUNDRABLE PERBERT KOPL, UNITED STATES SENATOR 14 WEST MIFFLIN STREET, SUITE 312 MADISON WI 53202

HONDRABLE STEVE GUNDERSON. HOUSE OF REPRESENTATIVES 227 CANNON HOUSE OFFICE BLDG. WASHINGTON DC 20515

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